

Ocean Biogeochemistry (OCB) Time-series Scoping Workshop
Sea change: Charting the course for ecological and biogeochemical
ocean time series research

Agenda: September 21-23, 2010

Monday September 20, 2010

Participants arrive at Honolulu, Hawaii

Check into New Otani Kaimana Beach Hotel (<http://www.kaimana.com/>)

Tuesday September 21, 2010

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| 08:00 | Shuttle bus pick up at New Otani Hotel, transport to Asia Room, East-West Center at University of Hawaii, Manoa |
| 08:15-08:45 | Coffee service |
| 08:45-09:00 | Welcome/Introduction/Workshop objectives (Matthew Church, UH) |
| 09:00-09:55 | The Bermuda Atlantic Time-series Study (Michael Lomas, BIOS) |
| 09:55-10:10 | Coffee break |
| 10:10-11:05 | The Hawaii Ocean Time-series (Matthew Church, UH) |
| 11:05-12:00 | The CARIACO Oceanographic Time-Series Program (Frank Muller-Karger, USF) |
| 12:00-13:00 | Lunch |
| 13:00-13:50 | Plenary 1: Cross ecosystem perspectives on aquatic biogeochemistry and plankton community structure (Robert Sterner, University of Minnesota) |
| 13:50-14:50 | Discussion and observations/ input from NSF program managers (Don Rice, Phil Taylor, Dave Garrison) |
| 14:50-15:20 | Coffee break |
| 15:20-16:00 | Ocean Biogeochemistry Research Opportunities Using the Ocean Observatories Initiative Infrastructure (Kendra Daly) |
| 16:00-16:30 | An update on the European network of marine observatories (Richard Lampitt) |
| 16:30-16:45 | The Ocean Time Series Advisory Committee (OTSAC): An introduction (Ken Johnson) |
| 16:45-17:15 | Additional time for discussion |
| 17:15 | Shuttle bus return to hotel |
| 18:30 | Shuttle bus pick up at the New Otani Hotel for transport to banquet at The Willows Restaurant (http://www.willowshawaii.com/). |
| 19:45 | Evening plenary: "The Joy of ocean Time-Series" (David Karl, University of Hawaii) |
| 21:00 | Shuttle bus return to New Otani Hotel |

Wednesday September 22, 2010

- 08:00 Shuttle bus pick up at New Otani transport to Asia Room, East-West Center at University of Hawaii, Manoa
- 08:15-8:55 Coffee service
- 08:55-09:00 Announcements/ Introduction to the day's activities
- 09:00-09:50 **Plenary 2: Biogeochemical and ecological coupling or decoupling of the epipelagic and deep sea: regional to global implications (Richard Lampitt, NOC, Southampton)**
- 09:50-10:05 Coffee break
- 10:05-11:30 Working Group discussions: *Critical science directions for the ongoing OCB time series: scope, feedbacks, and direction*
- *What science questions must the OCB time series programs continue to address?*
 - *What critical science questions are currently not being addressed or adequately resolved by the OCB time series programs? Are we missing key pools/rates? What are appropriate time and space scales necessary to resolve these questions?*
 - *From a practical perspective can these questions be addressed?*
 - *Is there need to integrate or network the on-going OCB time series efforts beyond the current level of interaction? Would such integration address unresolved science questions? What would the critical elements of this integration include?*
- 11:30-12:30 Working group reports
- 12:30-13:30 Lunch
- 13:30-14:20 **Plenary 3: Autonomous platform time series (Ken Johnson, MBARI)**
- 14:20-15:00 Coffee available
- 14:20-16:45 Working Group discussions: *Coordination and implementation of novel sensing technologies at ocean time series:*
- *Current and future science questions and motivations*
 - *Available/emerging platforms & sensors to address these questions*
 - *Explore technology challenges that need to be addressed*
 - *Practical and workforce considerations*
 - *Integrating shipboard, autonomous in situ, and satellite time series with models*
 - *Extending time series to regional and global scales*
- 16:45-18:00 Working group reports/discussion
- 18:00 Shuttle bus return to hotel; dinner on your own

Thursday September 23, 2010

08:00	Shuttle bus pick-up at New Otani transport to Asia Room, East-West Center at University of Hawaii, Manoa
08:15-08:55	Coffee service
08:55-09:00	Announcements/ introduction to the day's activities
09:00-09:50	Plenary 4: Ocean-time series as windows into scales of variability in the sea (Francisco Chavez, MBARI)
09:50-10:05	Coffee break
10:05-12:30	Working Group discussions: <i>Defining future ocean time-series science activities:</i> <ul style="list-style-type: none">• <i>What role do and can the ship-based time-series programs play in emerging ocean observing programs?</i>• <i>What is the right balance between ship-based time-series, moorings, gliders, remote sensing, etc. for the future time-series?</i>• <i>Data management and synthesis –can we use/improve existing data repositories to improve our view of ocean processes at the time series sites?</i>
12:30-13:30	Lunch
13:30-14:30	Working group reports/discussion
14:30-14:45	Concluding remarks (Matthew Church, UH)
14:45	Shuttle bus return to hotel
14:45-18:00	Scoping workshop steering committee convenes to begin drafting workshop report

Friday September 24, 2010

Check out of New Otani Hotel